

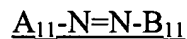
AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

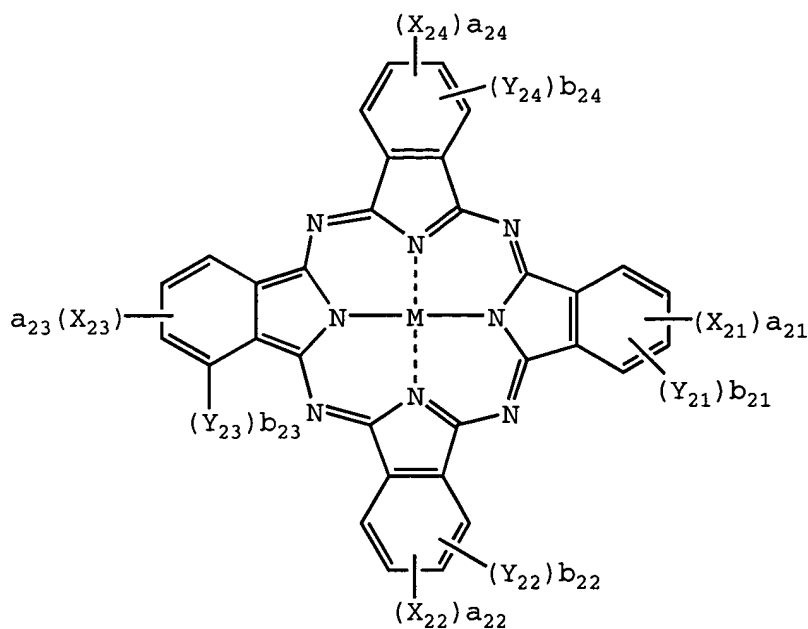
1. (currently amended): An ink set comprising inks, each of the inks being Aan ink obtained by dissolving at least one dye of an azo dye having a heterocyclic group or a phthalocyanine dye in an aqueous medium, wherein the dyes contained in said ink have a solubility of 15 g or more in 100 g of water at 25°C under atmospheric pressure, and said azo dye or phthalocyanine dye is represented by the following formula (1), (2), (3) or (4):

Formula (1):



wherein A₁₁ and B₁₁ each independently represents a heterocyclic group which may be substituted;

Formula (2):



wherein X_{21} , X_{22} , X_{23} and X_{24} each independently represents $-SO-Z_2$, $-SO_2-Z_2$, $-SO_2NR_{21}R_{22}$, a sulfo group, $-CONR_{21}R_{22}$ or $-COOR_{21}$,

each Z_2 independently represents a substituted or unsubstituted alkyl group, a substituted or unsubstituted cycloalkyl group, a substituted or unsubstituted alkenyl group, a substituted or unsubstituted aralkyl group, a substituted or unsubstituted aryl group or a substituted or unsubstituted heterocyclic group,

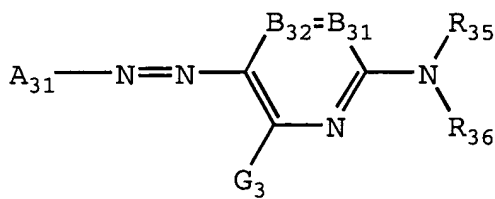
R_{21} and R_{22} each independently represents a hydrogen atom, a substituted or unsubstituted alkyl group, a substituted or unsubstituted cycloalkyl group, a substituted or unsubstituted alkenyl group, a substituted or unsubstituted aralkyl group, a substituted or unsubstituted aryl group or a substituted or unsubstituted heterocyclic group,

Y_{21} , Y_{22} , Y_{23} and Y_{24} each independently represents a monovalent substituent,

a₂₁ to a₂₄ and b₂₁ to b₂₄ represent the number of substituents X₂₁ to X₂₄ and Y₂₁ to Y₂₄, respectively, a₂₁ to a₂₄ each independently represents a number of 0 or an integer of 1 to 4 but all are not 0 at the same time, and b₂₁ to b₂₄ each independently represents a number of 0 or an integer 1 to 4, provided that when a₂₁ to a₂₄ and b₂₁ to b₂₄ each represents a number of 2 or more, the plurality of X₂₁s, X₂₂s, X₂₃s, X₂₄s, Y₂₁s, Y₂₂s, Y₂₃s or Y₂₄s may be the same or different, and

M represents a hydrogen atom, a metal atom or an oxide, hydroxide or halide thereof;

Formula (3):



wherein A₃₁ represents a 5-membered heterocyclic group,

B₃₁ and B₃₂ each represents =CR₃₁- or -CR₃₂= or either one of B₃₁ and B₃₂ represents a nitrogen atom and the other represents =CR₃₁- or -CR₃₂=,

R₃₅ and R₃₆ each independently represents a hydrogen atom, an aliphatic group, an aromatic group, a heterocyclic group, an acyl group, an alkoxycarbonyl group, an aryloxy carbonyl group, a carbamoyl group, an alkylsulfonyl group, an arylsulfonyl group or a sulfamoyl group, and each group may further have a substituent,

G₃, R₃₁ and R₃₂ each independently represents a hydrogen atom, a halogen atom, an aliphatic group, an aromatic group, a heterocyclic group, a cyano group, a carboxyl group, a carbamoyl group, an alkoxycarbonyl group, an aryloxy carbonyl group, a heterocyclic oxycarbonyl group, an acyl group, a hydroxy group, an alkoxy group, an aryloxy group, a heterocyclic oxy group, a

silyloxy group, an acyloxy group, a carbamoyloxy group, an alkoxycarbonyloxy group, an aryloxy carbonyloxy group, an amino group (including an arylamino group and a heterocyclic amino group), an acylamino group, a ureido group, a sulfamoylamino group, an alkoxycarbonylamino group, an aryloxy carbonylamino group, an alkylsulfonylamino group, an arylsulfonylamino group, a heterocyclic sulfonylamino group, a nitro group, an alkylthio group, an arylthio group, an alkylsulfonyl group, an arylsulfonyl group, a heterocyclic sulfonyl group, an alkylsulfinyl group, an arylsulfinyl group, a heterocyclic sulfinyl group, a sulfamoyl group, a sulfo group or a heterocyclic thio group, and each group may be further substituted, and

R₃₁ and R₃₅, or R₃₅ and R₃₆ may combine to form a 5- or 6-membered ring;

Formula (4):

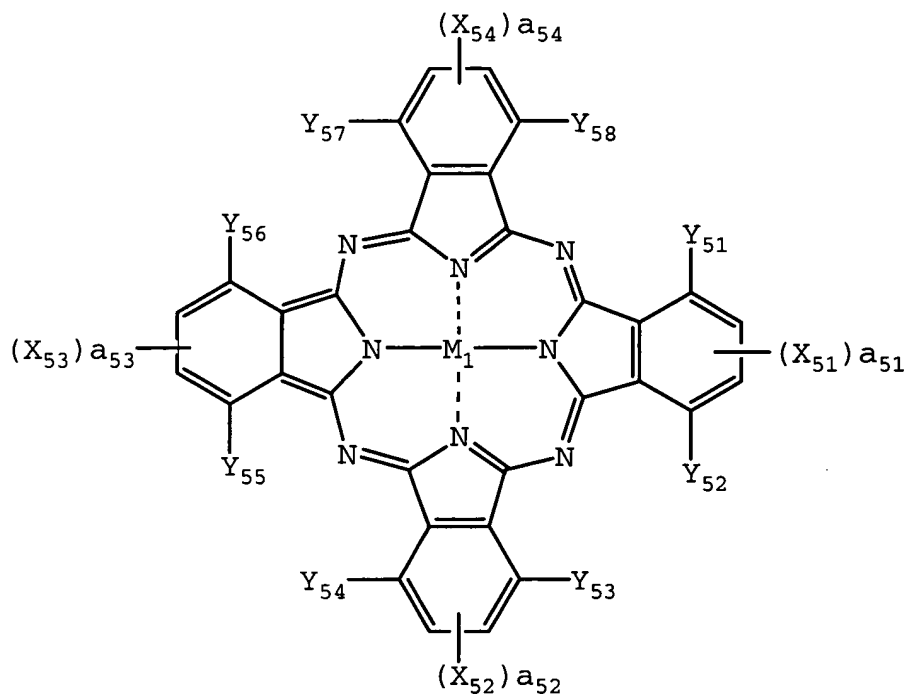


wherein A₄₁, B₄₁ and C₄₁ each independently represents an aromatic group which may be substituted, or a heterocyclic group which may be substituted.

2. (currently amended): The ink set as claimed in claim 1, wherein the oxidation potential of at least one dye of an azo dye or a phthalocyanine dye in each of the inks in the ink set is more positive than 1.0 V (vs SCE).

Claims 3-6. (canceled).

7. (new): The ink set as claimed in claim 1, wherein the phthalocyanine dye represented by formula (2) is a phthalocyanine dye having a structure represented by formula (5):



wherein X_{51} to X_{54} , Y_{51} to Y_{58} and M_1 have the same meanings as X_{21} to X_{24} , Y_{21} to Y_{24} and M in formula (2), respectively, and a_{51} to a_{54} each independently represents an integer of 1 or 2.